

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"2002363133"	JPO	OR	OFF	2007/10/25 09:36
L3	0	"2002-363133"	JPO	OR	OFF	2007/10/25 09:36
L5	175	((ramanathan near5 shriram) or (chrysler near5 m near5 gregory)).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/25 09:46
L6	2	((ramanathan near5 shriram) or (chrysler near5 m near5 gregory)).in. and (nanotube or nanowire or nanofiber).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/25 09:47
L7	3	((ramanathan near5 shriram) or (chrysler near5 m near5 gregory)).in. and (nanotube or nano\$wire or nanofiber).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/25 09:48
L8	4	((ramanathan near5 shriram) or (chrysler near5 m near5 gregory)).in. and (nanotube or nano\$wire or nanofiber).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/25 09:48
S1	2	"20050257821"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/25 09:44
S2	2	"20050257821"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 11:47
S3	471	136/203.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 11:49
S4	11	136/203.ccls. and (nanotube or nanowire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 11:52
S5	191	"136"/\$.ccls. and (nanotube or nanowire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:20

## EAST Search History

S6	0	"136"/\$.ccls. and (nano\$^ or nanowire) not S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:21
S7	686	"136"/\$.ccls. and (nano\$6 or nanowire) not S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:21
S8	226	"136"/\$.ccls. and (nano\$6 or nanowire) not S5 and (bi or bismuth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:21
S9	120	"136"/\$.ccls. and (nano\$6 or nanowire) not S5 and (bi or bismuth) and (insulating or dielectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:18
S10	30	"136"/\$.ccls. and (nano\$6 or nanowire) and (bi or bismuth) and (insulating or dielectric) near20 (aluminum or alumina)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:52
S11	3	"136"/\$.ccls. and (nano\$6 or nanowire) near20 (bi or bismuth) and (insulating or dielectric) near20 (aluminum or alumina)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:53
S12	0	photoelectric and (nano\$6 or nanowire) near20 (bi or bismuth) and (insulating or dielectric) near20 (aluminum or alumina)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:54
S13	17	photoelectric and (nano\$6 or nanowire) near20 (bi or bismuth) and (aluminum or alumina)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:58
S14	751	136/205.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:59
S15	24684	136/205.ccls. or (nanofiber or nanotube or nanowire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:59

## EAST Search History

S16	28	136/205.ccls. and (nanofiber or nanotube or nanowire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:59
S17	187	((ramanathan near5 shriram) or (chrysler near10 gregory)).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/17 14:04
S18	17237	"136"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:18
S19	192	"136"/\$.ccls. and (nanowire\$ or nanotube or nanofiber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:21
S20	1	jp2002363133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:36
S21	95	(nanotube or nanowire or nanofiber) same (bi or bismuth) and (dielectric or insulating) near20 (aluminum or alumina or aluminae)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:37
S22	0	("7098393").URPN.	USPAT	OR	OFF	2007/10/17 15:26
S23	11	("20020158342"   "20020172820"   "20030041892"   "6002081"   "6159831"   "6231744"   "6359288"   "6388185"   "6492585"   "6598403"   "6670539").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/17 15:26
S24	9161	thermoelectric near5 device	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 08:57
S25	216	thermoelectric near5 device and (nanowire or nanofiber or nanotube)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 08:57

## EAST Search History

S26	157	thermoelectric near5 device and (nanowire or nanofiber or nanotube) and (alumin\$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 09:03
S27	4	"7189435"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 08:59
S28	2	"7189435" and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 08:59
S29	77	thermoelectric near5 device and (nanowire or nanofiber or nanotube) and (alumin\$) and ("bi" or bismuth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 09:03
S30	135	thermoelectric and (nanowire or nanofiber or nanotube) and (alumin\$) and ("bi" or bismuth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 09:03
S31	0	"10537161".AP.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 10:02
S32	0	"10/537161".AP.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 10:05
S33	0	WO03032408	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 10:05
S34	5	("5114877"   "5202290"   "5264722"   "5330612"   "5581091").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/18 10:05
S35	45	("6359288").URPN.	USPAT	OR	OFF	2007/10/18 10:06

## EAST Search History

S36	15	("20020057511"   "20030007443"   "20030017364"   "20030214742"   "20060181798"   "20060184843"   "5557596"   "5780101"   "5965267"   "6278231"   "6359288"   "6636460"   "6800865"   "6878444"   "6920014").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/18 10:12
S37	0	("7190539").URPN.	USPAT	OR	OFF	2007/10/18 10:13
S38	11	("20020117659"   "20030079999"   "20030135971"   "4240879"   "5670115"   "6120835"   "6359288"   "6525461"   "6535658").PN. OR ("6849911").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/18 10:13
S39	15	("20020057511"   "20030007443"   "20030017364"   "20030214742"   "20060181798"   "20060184843"   "5557596"   "5780101"   "5965267"   "6278231"   "6359288"   "6636460"   "6800865"   "6878444"   "6920014").PN. OR ("7190539").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/18 10:32
S40	4	"6849911" and alumin\$	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2007/10/18 10:33
S41	3	"20030047204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 15:04
S42	166	thermoelectric near5 (die or dye)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/18 15:04
S43	1	thermoelectric near5 (die or dye) and (nanowire or nanotube or nanofiber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:08
S44	17	(thermoelectric or photoelectric) near5 housing same display same input	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:12

## EAST Search History

S45	56	(thermoelectric or photoelectric) and (nanowire or nanotube or nanofiber) and housing and display and input	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:17
S46	8	(thermoelectric near5 conversion) and microchip and generator and (sensor or detector or microprobe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:19
S47	277	(thermoelectric near5 conversion) and cooler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:19
S48	87	(thermoelectric near5 conversion) same cooler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:20
S49	5	(thermoelectric near5 conversion) same cooler and (nanotube or nanowire or nanofiber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:20
S50	34	(thermoelectric near5 conversion) and cooler and (nanotube or nanowire or nanofiber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:22
S51	57	(thermoelectric near5 conversion) and (nanotube or nanowire or nanofiber) and application	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:24
S52	14	(thermoelectric near5 conversion) and (nanotube or nanowire or nanofiber) and computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:25
S53	193	(thermoelectric) and (nanotube or nanowire or nanofiber) and computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:26
S54	30	(thermoelectric) and (nanotube or nanowire or nanofiber) and computer and housing and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:25

## EAST Search History

S55	1	(thermoelectric) and (nanotube or nanowire or nanofiber) and computer and housing same display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:26
S56	18	(thermoelectric) and (nanotube or nanowire or nanofiber) and (housing or display).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:28
S57	0	(thermoelectric) and (nanotube or nanowire or nanofiber) and (housing and display).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:28
S58	0	(thermoelectric) and (nanotube or nanowire or nanofiber) and (micro near5 cooler) and computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:31
S59	17	(thermoelectric) and (micro near5 cooler) and computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:33
S60	27	(thermoelectric same conversion) and ((micro near5 cooler) or (microchip) or (micro near10 generator)) and computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:34
S61	16	f25b21/00.ipco.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:49
S62	655	thermoelectric and cool\$5 and handheld	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:50
S63	32	thermoelectric and cool\$5 and handheld and (nanotube or nanowire or nanofiber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 10:52
S64	169	thermoelectric and cool\$5 and computer and (nanotube or nanowire or nanofiber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 12:58

## EAST Search History

S65	1	"10127585".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 13:00
S66	4	"20030198021"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 13:01
S67	1	"20030198021" and thermoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 13:01
S68	18	("20010027855"   "20010055700"   "20020001680"   "20020001689"   "20020030973"   "4769557"   "5313099"   "5338571"   "5374463"   "5397919"   "5864465"   "5876684"   "5965267"   "6244331"   "6255241"   "6277438"   "6667548"   "6783589").PN. OR ("7208191").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/22 13:02
S69	18	("20010027855"   "20010055700"   "20020001680"   "20020001689"   "20020030973"   "4769557"   "5313099"   "5338571"   "5374463"   "5397919"   "5864465"   "5876684"   "5965267"   "6244331"   "6255241"   "6277438"   "6667548"   "6783589").PN. OR ("7208191").URPN. and thermoelectric	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/22 13:05
S70	1	((("20010027855"   "20010055700"   "20020001680"   "20020001689"   "20020030973"   "4769557"   "5313099"   "5338571"   "5374463"   "5397919"   "5864465"   "5876684"   "5965267"   "6244331"   "6255241"   "6277438"   "6667548"   "6783589").PN. OR ("7208191").URPN.) and thermoelectric	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/22 13:03
S71	3061	thermoelectric near5 generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 13:07

## EAST Search History

S72	68	thermoelectric near5 generator and (nanotube or nanowire or nanofiber or nano-wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 13:17
S73	2	micro near10 thermoelectric near5 generator and (nanotube or nanowire or nanofiber or nano-wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 13:18
S74	278	micro near10 thermoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 13:18
S75	56	micro near10 thermoelectric and (computer or pda or cell\$5phone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/22 13:19